

ABSTRACT OF THE DISCLOSURE

A multichannel audio reproducing apparatus, in which audio signals of a plurality of channels are processed and the thus processed audio signals are supplied to and reproduced on loudspeakers respectively disposed for each one of the channels, including: a loudspeaker drive section that drives each loudspeaker by imparting a delay time to an audio signal on each channel; a test tone generating section that generates a test tone measuring a distance between loudspeakers and supplying the test tone to one of the loudspeakers; a transmission time measuring section that measures a time period between the generation of the test tone by such one of the loudspeakers and the receiving of the test tone by other loudspeakers, thus obtaining a transmission time between loudspeakers; and a loudspeaker position calculating section that calculates a coordinate position of each loudspeaker based upon the test tone transmission time between loudspeakers.